



TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number 10/643,144 Filing Date August 18, 2003 First Named Inventor Gwang Hoon KWAG Art Unit 1774 Examiner Name Unknown
Total Number of Pages in This Submission	N/A	Attorney Docket Number 61282.00007

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate) <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> with RCE <input type="checkbox"/> Extension of Time Request (in duplicate) <input checked="" type="checkbox"/> Return Postcard <input checked="" type="checkbox"/> Information Disclosure Statement (2 pages) <input checked="" type="checkbox"/> PTO Form 1449 (2 pages) (Original and one copy to be initiated by the Examiner and returned to us). <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Request for Status of Application <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="margin-left: 20px;"> Copies of non-US documents: DE 198 46 766 A1; DE 198 46 767 A1; DE 198 46 768 A1 and Applied Physics Letters Article - Volume 80, No. 6 </div>
		Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Aaron Wininger, Reg. No. 45,229 Squire, Sanders & Dempsey L.L.P. 600 Hansen Way Palo Alto, CA 94304-1043
Signature	
Date	December 8, 2003

CERTIFICATE OF MAILING

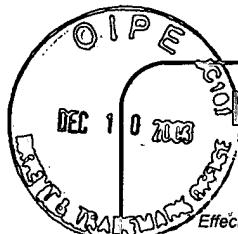
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Typed or printed name	Aaron Wininger		
Signature			
Date	December 8, 2003		

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FEES TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$ 0)

Complete if Known	
Application Number	10/643,144
Filing Date	August 18, 2003
First Named Inventor	Gwang Hoon KWAG
Examiner Name	Unknown
Art Unit	1774
Attorney Docket No.	61282.00007

METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)			
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account				3. ADDITIONAL FEES			
Deposit Account Number	05-0150			Large Entity	Small Entity		
Deposit Account Name	Squire, Sanders & Dempsey L.L.P.			Fee Code	Fee (\$)	Fee Code	Fee (\$)
The Director is authorized to: (check all that apply)							
<input type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.							
FEE CALCULATION							
1. BASIC FILING FEE							
Large Entity	Small Entity	Fee Description				Fee Paid	
Fee Code	Fee (\$)	Fee Code	Fee (\$)				
1001	770	2001	385	Utility filing fee			
1002	340	2002	170	Design filing fee			
1003	530	2003	265	Plant filing fee			
1004	770	2004	385	Reissue filing fee			
1005	160	2005	80	Provisional filing fee			
SUBTOTAL (1)				(\$ 0)			
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE							
Total Claims		Extra Claims	Fee from below	Fee Paid			
Independent Claims		** = 0	X _____	= 0			
Multiple Dependent		** = 0	X _____	= 0			
		X _____	= 0				
Large Entity	Small Entity	Fee Description				Fee Paid	
Fee Code	Fee (\$)	Fee Code	Fee (\$)				
1202	18	2202	9	Claims in excess of 20			
1201	86	2201	43	Independent claims in excess of 3			
1203	290	2203	145	Multiple dependent claim, if not paid			
1204	86	2204	43	** Reissue independent claims over original patent			
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent			
SUBTOTAL (2)				(\$ 0)			
Other fee (specify) _____							
*Reduced by Basic Filing Fee Paid				SUBTOTAL (3) (\$ 0)			

**or number previously paid, if greater; For Reissues, see above

SUBMITTED BY		Complete (if applicable)		
Name (Print/Type)	Aaron Wininger	Registration No. (Attorney/Agent)	45,229	Telephone 650.856.6500
Signature				Date December 8, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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PATENT
Attorney Docket No.: 61282.00007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF MAILING

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Date: 12/18/03

By: 

Aaron Wininger

In re Application of: Gwang Hoon KWAG, et al. Serial No.: 10/643,144 Filed: August 18, 2003 Title: BLUE LIGHT-EMITTING, LADDER-TYPE POLYMER WITH EXCELLENT HEAT STABILITY	Examiner: Unknown Art Unit: 1774
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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR §§1.97(b)**

Sir:

In accordance with the duty of disclosure under 37 CFR §1.56 and pursuant to 37 CFR §§1.97-1.98, Applicants hereby notify the U.S. Patent and Trademark Office of the references listed on the enclosed Form PTO-1449. Pursuant to the PTO's waiver of the requirements under 37 CFR 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent/patent application for new applications filed after June 30, 2003, we are not submitting copies of the U.S. patents cited. However, we are enclosing copies of German Patent Nos. DE 198 46 766 A1, DE 198 46 767 A1, DE 198 46 768 A1 and the Applied Physics Letters article.

The present Information Disclosure Statement is being filed more than three months after the filing date but before receiving the first Office Action. Accordingly, no fee or certification is needed.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants reserve

the right to dispute any of the listed documents as prior art during examination. Furthermore, Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application. The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other material information may exist.

The Examiner is requested to initial the enclosed Form PTO-1449 and return a copy thereof to the undersigned.

If for any reason an insufficient fee has been paid, please charge the insufficiency to Deposit Account No. 05-0150.

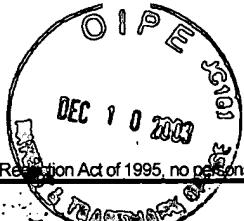
Date: 12/8/03

Respectfully submitted,

Squire, Sanders & Dempsey L.L.P.
600 Hansen Way
Palo Alto, CA 94304-1043
Telephone (650) 856-6500
Facsimile (650) 843-8777



Aaron Wininger
Attorney for Applicants
Reg. No. 45,229



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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Shee

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Complete if Known

Application Number	10/643,144
Filing Date	August 18, 2003
First Named Inventor	Gwang Hoon KWAG
Art Unit	1774
Examiner Name	Unknown
Attorney Docket Number	61282.00007

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵				
		DE 198 46 766 A1	04-20-2000	Aventis Research & Technologies GmbH & Co KG		
		DE 198 46 767 A1	04-20-2000	Aventis Research & Technologies GmbH & Co KG		
		DE 198 46 768 A1	04-20-2000	Aventis Research & Technologies GmbH & Co KG		

Examiner Signature		Date Considered	
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***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

2

Complete if Known

<i>Application Number</i>	10/643,144
<i>Filing Date</i>	August 18, 2003
<i>First Named Inventor</i>	Kwang Hoon KWAG
<i>Art Unit</i>	1774
<i>Examiner Name</i>	Unknown
<i>Attorney Docket Number</i>	61282.00007

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		SHERAW, C. D., et al.; "Organic thin-film transistor-driven polymer-dispersed liquid crystal displays on flexible polymeric substrates"; Applied Physics Letters; February 11, 2002; pages 1088-1090; Volume 80, Number 6; Copyright 2002 American Institute of Physics.	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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